

UNITED STATES PATENT AND TRADEMARK OFFICE
CERTIFICATE OF CORRECTION

PATENT NO. : 6,858,268 B2
APPLICATION NO. : 10/633490
DATED : February 22, 2005
INVENTOR(S) : Juliane Suermann

Page 1 of 2

It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 82, line 32, reads " μm^{31} " should read -- μm^{-1} --

Column 82, line 35, reads " μm^{31} " should read -- μm^{-1} --

Columns 83, lines 28-67, through Column 84, lines 1-44, reads " formula XI:

X^{11} and X^{22} are each, independently of one another, $-\text{CF}_2\text{O}-$, $-\text{OCF}_2-$, $-\text{CF}_2\text{S}-$, $-\text{SCF}_2-$, $-\text{CF}_2\text{CH}_2-$, $-\text{CH}_2\text{CF}_2-$, $-\text{CF}_2\text{CF}_2-$, $-\text{CF}=\text{CH}-$, $-\text{CH}=\text{CF}-$, $-\text{CF}=\text{CF}-$ or a single bond,

Z^{11} is in each case, independently of one another, $-\text{O}-$, $-\text{S}-$, $-\text{CO}-$, $-\text{COO}-$, $-\text{OCO}-$, $-\text{O}-\text{COO}-$, $-\text{CO}-\text{N}(\text{R}^{00})-$, $-\text{N}(\text{R}^{00})-\text{CO}-$, $-\text{OCH}_2-$, $-\text{CH}_2\text{O}-$, $-\text{SCH}_2-$, $-\text{CH}_2\text{S}-$, $-\text{CF}_2\text{O}-$, $-\text{OCF}_2-$, $-\text{CF}_2\text{S}-$, $-\text{SCF}_2-$, $-\text{CH}_2\text{CH}_2-$, $-\text{CF}_2\text{CH}_2-$, $-\text{CH}_2\text{CF}_2-$, $-\text{CF}_2\text{CF}_2-$, $-\text{CH}=\text{CH}-$, $-\text{CF}=\text{CH}-$, $-\text{CH}=\text{CF}-$, $-\text{CF}=\text{CF}-$, $-\text{C}\equiv\text{C}-$, $-\text{CH}=\text{CH}-\text{COO}-$, $-\text{OCO}-\text{CH}=\text{CH}-$ or a single bond,

R^{00} is H or alkyl having from 1 to 4 carbon atoms,

A^{11} and A^{22} are each, independently of one another:

1,4-phenylene, in which, in addition, one or more CH groups are optionally replaced by N; 1,4-cyclohexylene, in which one or two non-adjacent CH_2 groups are optionally replaced by O and/or S; 1,3-dioxolane-4,5-diyl; cyclohexenylenyl; bicyclo[2.2.2]-octylene; piperidine-1,4-diyl; naphthalene-2,6-diyl; decahydronaphthalene-2,6-diyl; or 1,2,3,4-tetrahydronaphthalene-2,6-diyl, where all of these groups are unsubstituted or monosubstituted or polysubstituted by halogen, CN or NO_2 or alkyl, alkoxy, alkylcarbonyl or alkoxycarbonyl having from 1 to 7 carbon atoms, in which one or more H atoms are optionally replaced by F or Cl, and

m is 1, 2, 3, 4 or 5,

provided that at least one of the radicals X^{11} , X^{22} and Z^{11} is $-\text{CF}_2\text{O}-$, $-\text{OCF}_2-$, $-\text{CF}_2\text{S}-$, $-\text{SCF}_2-$, $-\text{CF}_2\text{CH}_2-$, $-\text{CF}_2\text{CF}_2-$, $-\text{CF}=\text{CH}-$ or $-\text{CF}=\text{CF}-$ and at least one of the radicals R^{11} and R^{22} is a chiral group,

- compounds of the formula XVI

$\text{R}^{11}-\text{X}^{33}-(\text{A}^{11}-\text{Z}^{11})_m-\text{G}-(\text{Z}^{22}-\text{A}^{22})_n-\text{X}^{44}-\text{R}^{22}$, should read -- formula XI. --

Column 85, line 19, in formula XII, reads " W^{12} " should read -- W^{22} --

Column 85, line 62, reads " W^{12} " should read -- W^{22} --

Column 86, line 17, reads " W^{12} " should read -- W^{22} --

Column 87, line 29, reads " $(\text{Z}^2-\text{A}^2)_m\text{R}$," should read -- $(\text{Z}^2-\text{A}^2)_m-\text{R}$, --

Column 88, line 29, reads "F, Cl, Br, or" should read -- F, Cl, Br, I or --

Column 92, line 55, in formula XII, reads " W^{12} " should read -- W^{22} --

Column 93, line 27, reads " W^{12} " should read -- W^{22} --

Column 93, line 45, reads " W^{12} " should read -- W^{22} --

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It is certified that error appears in the above-identified patent and that said Letters Patent is hereby corrected as shown below:

Column 96, line 22, reads "group," should read -- group,
 X^{11} and X^{22} are each, independently of one another, $-\text{CF}_2\text{O}-$, $-\text{OCF}_2-$, $-\text{CF}_2\text{S}-$,
 $-\text{SCF}_2-$, $-\text{CF}_2\text{CH}_2-$, $-\text{CH}_2\text{CF}_2-$, $-\text{CF}_2\text{CF}_2-$, $-\text{CF}=\text{CH}-$, $-\text{CH}=\text{CF}-$, $-\text{CF}=\text{CF}-$ or a single
bond,

Z^{11} is in each case, independently of one another, $-\text{O}-$, $-\text{S}-$, $-\text{CO}-$, $-\text{COO}-$,
 $-\text{OCO}-$, $-\text{O}-\text{COO}-$, $-\text{CO}-\text{N}(\text{R}^{00})-$, $-\text{N}(\text{R}^{00})-\text{CO}-$, $-\text{OCH}_2-$, $-\text{CH}_2\text{O}-$, $-\text{SCH}_2-$, $-\text{CH}_2\text{S}-$,
 $-\text{CF}_2\text{O}-$, $-\text{OCF}_2-$, $-\text{CF}_2\text{S}-$, $-\text{SCF}_2-$, $-\text{CH}_2\text{CH}_2-$, $-\text{CF}_2\text{CH}_2-$, $-\text{CH}_2\text{CF}_2-$, $-\text{CF}_2\text{CF}_2-$,
 $-\text{CH}=\text{CH}-$, $-\text{CF}=\text{CH}-$, $-\text{CH}=\text{CF}-$, $-\text{CF}=\text{CF}-$, $-\text{C}\equiv\text{C}-$, $-\text{CH}=\text{CH}-\text{COO}-$, $-\text{OCO}-\text{CH}=\text{CH}-$
or a single bond,

R^{00} is H or alkyl having from 1 to 4 carbon atoms,

A^{11} and A^{22} are each, independently of one another:

1,4-phenylene, in which, in addition, one or more CH groups are optionally replaced by
N; 1,4-cyclohexylene, in which one or two non-adjacent CH_2 groups are optionally
replaced by O and/or S; 1,3-dioxolane-4,5-diyl; cyclohexenylene; bicyclo[2.2.2]-octylene;
piperidine-1,4-diyl; naphthalene-2,6-diyl; decahydronaphthalene-2,6-diyl;
or 1,2,3,4-tetrahydronaphthalene-2,6-diyl, where all of these groups are
unsubstituted or monosubstituted or polysubstituted by halogen, CN or NO_2 or
alkyl, alkoxy, alkylcarbonyl or alkoxy carbonyl having from 1 to 7 carbon atoms, in
which one or more H atoms are optionally replaced by F or Cl, and

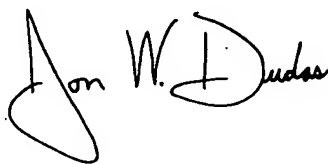
m is 1, 2, 3, 4 or 5,

provided that at least one of the radicals X^{11} , X^{22} and Z^{11} is $-\text{CF}_2\text{O}-$,
 $-\text{OCF}_2-$, $-\text{CF}_2\text{S}-$, $-\text{SCF}_2-$, $-\text{CF}_2\text{CH}_2-$, $-\text{CF}_2\text{CF}_2-$, $-\text{CF}=\text{CH}-$ or $-\text{CF}=\text{CF}-$ and at least
one of the radicals R^{11} and R^{22} is a chiral group,

- compounds of the formula XVI
 $\text{R}^{11}-\text{X}^{33}-(\text{A}^{11}-\text{Z}^{11})_m-\text{G}-(\text{Z}^{22}-\text{A}^{22})_n-\text{X}^{44}-\text{R}^{22}$ --

Signed and Sealed this

Sixth Day of January, 2009



JON W. DUDAS
Director of the United States Patent and Trademark Office